

Comparisons of Job Characteristics

Focus Occupation: [Farmworkers, Farm, Ranch, and Aquacultural Animals \(45-2093\)](#)

Associated Occupation: [Farmers and Ranchers \(11-9012\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 74

Focus Occupation: Farmworkers, Farm, Ranch, and Aquacultural Animals (45-2093)

Associated Occupation: Farmers and Ranchers (11-9012)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Food Production	2.1	13.6	6.8	<<	Extensive education and/or training may be required
Mechanical	6.8	13.4	6.7	<<	Extensive education and/or training may be required
Administration and Management	8.4	11.9	8.7	<<	Extensive education and/or training may be required
Biology	3.7	10.0	7.2	<<	Extensive education and/or training may be required
Economics and Accounting	4.4	9.8	3.1	<<	Extensive education and/or training may be required
Building and Construction	4.0	9.4	5.0	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 75

Focus Occupation: Farmworkers, Farm, Ranch, and Aquacultural Animals (45-2093)

Associated Occupation: Farmers and Ranchers (11-9012)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation and Control	5.4	12.7	9.3	<<	Extensive development of skills in this area may be required
Operation Monitoring	6.6	12.3	9.3	<<	Extensive development of skills in this area may be required
Monitoring	9.9	11.4	9.5	<	A higher skill level may be required
Quality Control Analysis	5.9	10.6	7.6	<<	Extensive development of skills in this area may be required

Troubleshooting	4.5	10.3	7.5	<<	Extensive development of skills in this area may be required
Equipment Maintenance	3.5	10.0	7.2	<<	Extensive development of skills in this area may be required
Repairing	3.4	9.1	7.4	<	A higher skill level may be required
Equipment Selection	3.3	8.5	7.3	<	A higher skill level may be required
Management of Financial Resources	3.3	6.7	2.1	<<	Extensive development of skills in this area may be required
Management of Material Resources	3.7	6.7	2.6	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 84

Focus Occupation: Farmworkers, Farm, Ranch, and Aquacultural Animals (45-2093)
Associated Occupation: Farmers and Ranchers (11-9012)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	13.6	11.0	<	Some improvement in abilities may be required
Manual Dexterity	6.5	12.5	9.5	<<	Extensive improvement in abilities may be required
Multilimb Coordination	6.0	12.5	10.5	<	Some improvement in abilities may be required
Static Strength	5.0	11.9	10.5	<	Some improvement in abilities may be required
Depth Perception	5.3	11.2	8.0	<<	Extensive improvement in abilities may be required
Visual Color Discrimination	6.4	11.2	6.4	<<	Extensive improvement in abilities may be required
Response Orientation	4.0	10.7	7.5	<<	Extensive improvement in abilities may be required
Spatial Orientation	2.7	7.7	5.5	<<	Extensive improvement in abilities may be required
Peripheral Vision	2.2	5.7	3.4	<<	Extensive improvement in abilities may be required
Night Vision	2.1	5.6	3.7	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Farmworkers, Farm, Ranch, and Aquacultural Animals (45-2093)
Associated Occupation: Farmers and Ranchers (11-9012)

Work Activities	Exclusivity of Activity
Administer injections	60
Administer medications or treatments	46
Drive automobile, van, or light truck	53
Examine animals to detect illness, disease, or injury	81
Grade, classify, or sort products according to specifications	74
Identify livestock characteristics	81
Maintain or repair farm vehicles, machinery, or mechanical implements	81
Maintain production or work records	19
Operate agricultural equipment or machinery	81
Package goods for shipment or storage	62
Perform safety inspections in agricultural, forestry, or fishing setting	77
Recognize disease or parasites in animals	72
Use animal disease control techniques	82
Use fish culturing techniques	89
Use hand or power tools	2
Use herbicides, fertilizers, pesticides or related products	71

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 93

Focus Occupation: Farmworkers, Farm, Ranch, and Aquacultural Animals (45-2093)
Associated Occupation: Farmers and Ranchers (11-9012)

Tools and Technologies	Exclusivity
Computers	1
Content authoring and editing software	1
Conveyors and accessories	18
Data management and query software	1
Dispensing tools	6
Dispersing and spraying appliances for agriculture	26
Earth moving machinery	11
Forming tools	2
Garden tools	12
Heavy equipment components	21
Network applications software	1
Passenger motor vehicles	13
Poultry and livestock equipment	33
Power tools	2
Product and material trailers	24
Specialized and recreational vehicles	17
Veterinary equipment	40
Weight measuring instruments	7

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.